

File: Hereford  
54-170-803

# Texas Tech University

Department of Civil Engineering    College of Engineering  
P.O. Box 4089    Lubbock, Texas 79409    Phone (806) 742-1231

September 10, 1971

Editor  
Hereford Brand  
Hereford, Texas

Dear Sir:

On Tuesday April 20, 1971, approximately 36 hours after the tornado struck the city of Hereford an inspection team from the Department of Civil Engineering at Texas Tech University visited the scene. The team, consisting of myself and a graduate student, Jerry Traylor, made an on site inspection of the damage and documented the response of various structures to the force of the tornadic winds. The accompanying document produced in the Department of Civil Engineering is a report of the findings of the inspection team.

The study is a part of a continuing research program in wind engineering being carried out in the Civil Engineering Department. The program is coordinated by Professor Joseph E. Minor and places primary emphasis on the response of structures to destructive forces of tornadoes and hurricanes. Other professors, besides myself, include Drs. Kishor Mehta and Ernest W. Kiesling, who is also Chairman of the Department.

The research group recently presented a one week short course on the design of structures to resist tornadoes and hurricane winds. Participants came from all parts of the U. S. including representatives from the Atomic Energy Commission, The Corps of Engineers and several private organizations.

A limited number of copies of the Hereford Tornado Report are available at \$1.00 each to cover cost of printing and mailing. Inquiries should be made to the Civil Engineering Department.

Sincerely,

*James R. McDonald*  
James R. McDonald

*Copy of Hereford  
Tornado Report enclosed*